

TARADANKIN, K.

Our Makarych. Sov. foto 19 no.6:26-33 Je '59.

(MIRA 12:9)

(Petrov, Nikolai Makarovich)

DUKHAN, B.S., inzh.; TARADAY, V.S., inzh.

Automatic recording of the performance of freight hoisting cranes.
Mekh.i avtom.proizv. 16 no.4:42-43 Ap '62. (MIRA 15:4)
(Cranes, derricks, etc.) (Electronic control)

PROKOROV, V.N.; TITANI, Ya.I.; ...

Quantitative determination of accelerators, antiagers and some softeners in rubbers. *Kauch. i rez. 24*, no. 10, 1967, pp. 101-103.

1. Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy.

DOBROVOL'SKAYA, N.N.; PROVOROV, V.N.; TARADAY, Ye.P.

Identification of accelerators and antiaging agents in rubbers.
Trudy Kom.anal.khim. 13:191-195 '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut kachestv i lateksnykh izdeliy.

(Rubber--Analysis)

TARADAYKO, V.S.

Our drive for labor safety. Bezop.truda v prom. } no.1:27-28
Ja '59. (MIRA 12:3)

1. Glavnyy inzhner tresta Chistyakovantratsit.
(Chistyakovo--Coal mines and mining--Safety measures)

TARADAYKO, Yu.V.

Content of copper in the bodies of the mother and fetus. *Akush.*
i gin. 39 no.4:59-63 JI-Ag'63 (MIRA 16:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. S.L.
Keylin) Novosibirskogo meditsinskogo instituta.

ACCESSION NR: AP4039249

S/0032/64/030/006/0652/0654

AUTHOR: Tumanov, A. A.; Sidorenko, A. N.; Taradenkova, F. S.

TITLE: Determination of arsenic in silicon and germanium, and in gallium arsenide

SOURCE: Zavodskaya laboratoriya, v. 30, no. 6, 1964, 652-654

TOPIC TAGS: ultrapure semiconductor, microanalysis, arsenic, silicon, germanium, gallium arsenide, microquantities, impurity, arsenic hydride, arsine, mercuric bromide, analytical determination, coprecipitation, manganese dioxide, ethyl alcohol, isopropyl alcohol

ABSTRACT: Two methods for the determination of microquantities (less than 0.01 microgram) of arsenic in metallic silicon or germanium are described. For the silicon the basic principle of the method consists in the reduction of As to AsH_3 ; the latter reacts with mercuric bromide producing the yellow compound $As(HgBr)_3$. The quantitative determination is carried out by comparing the discoloration obtained with the standard samples. The method has

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ACCESSION NR: AP4039249

been experimentally controlled; the analysis requires 3.5 hr. The direct reduction, as above, cannot be achieved in germanium salt solutions. In this case, As is first separated from germanium by a coprecipitation with manganese dioxide, which can be repeated if the arsenic content in the sample is less than 10 micrograms. After the separation the method described above can be applied. In addition, it is recommended the separation of metallic arsenic from gallium arsenide be accomplished by extraction with ethyl or isopropyl alcohol in which As is more than 4000 times as soluble, compared with GaAs. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 18Jun64

ENCL: 00

SUB CODE: GC

NO REF SOV: 002

OTHER: 000

Card 2/2

S/262/62/000/004/001.024

1014/1252

AUTHOR: Mironenko, I. L. and Taradeyev, Ye. K.

TITLE: Manufacture of experimental turbine blades for flat cascades.

PERIODICAL: Referativnyy zhurnal, Silovyye ustanovki, no. 4, 1962, 24, abstract 42.4.131 ('Zb prats in-t teploenerg. AN Ukr, SSR, 1961, no. 22, 34-39)

TEXT: The problem of the manufacture of experimental lead-alloy blades for flat cascades by casting them in a metallic sillamin is examined. The technology of manufacture of drained experimental blades is discussed. There are 4 figures.

[Abstracter's note: Complete translation.]

Card 1/1

MIRONENKO, I.L. [Myronenko, I.L.]; ~~TARADEYEV, Ye. K.~~ [Taradiev, I.E.K.]

Manufacture of aerodynamic probes. Zbir. prats' Inst. topl.
AN URSR no.22:40-54 '61. (MIRA 16:6)

(Turbines)

VOLOSHIN, V., inzh.; ORLOV, N., inzh.; TARADIN, M., inzh.

Electric stand for the running-in and testing of marine diesels.
Rech. transp. 21 no.10:35-37 0 '62. (MIRA 15:10)

1. Gosudarstvennyy institut po proyektirovaniyu i isyskaniyam
na rechnom transporte.

(Marine diesel engines)

TARADIN, Ya.I.

Combined effect of nekal and some other organic compounds on
the biochemical processes in polluted waters. Trudy Vor.med.
inst. 47:27-33 '62 (MIRA 16:12)

Daily regimen of schoolchildren in the city of Voronezh.
Ibid.110-111

1. Kafedra gigiyeny Voronezhskogo meditsinskogo instituta.

TARADIN, Ya.I.; FAUSTOV, A.S.

Use of empirical formulas in establishing maximal permissible concentrations of organic substances in the water of reservoirs. Trudy Vor.med. inst. 47:38-40'62 (MIRA 16:12)

1. Kafedra gigiyeny Voronezhskogo meditsinskogo instituta.

L 14964-66 EWT(1) GW

ACC NR: AP6002693

SOURCE CODE: UR/0033/65/042/006/1277/1280

AUTHOR: Taradiya, V. K.

ORG: Main Astronomical Observatory, Academy of Sciences UkrSSR (Glavnaya astronomicheskaya observatoriya Akademii nauk UkrSSR)

41
B

TITLE: The annual polar motion of an earth with a liquid core

SOURCE: Astronomicheskij zhurnal, v. 42, no. 6, 1965, 1277-1280

TOPIC TAGS: earth planet, model, earth crust, elasticity, differential operator, air mass

ABSTRACT: A study is made of the annual polar motion of an earth ¹²⁻⁵⁵ with a liquid core and a solid mantle. The study is limited to the case when the inner and outer surfaces of the mantle are confocal ellipsoids of revolution. The unperturbed motion of the model can be described by two vector equations

$$\frac{d}{dt} (I\bar{\omega} + I'(\bar{\omega} - \bar{\omega}')) + \left\{ \bar{\omega} [I\bar{\omega} + I'(\bar{\omega} - \bar{\omega}')] \right\} = 0;$$

$$\frac{d\bar{\omega}'}{dt} = (\bar{\omega}, \bar{\nabla}) \left\{ \bar{\nabla} ((\bar{\omega} - \bar{\omega}'), e_3, (x_2\bar{l} - x_1\bar{j})) + ((\bar{\omega} - \bar{\omega}')\bar{r}) \right\}$$

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UDC: 525.35

2.....

L 14964-66

ACC NR: AP6002693

where

$$I = I_0 + I_1 = \begin{pmatrix} A & 0 & 0 \\ 0 & A & 0 \\ 0 & 0 & C \end{pmatrix} + \begin{pmatrix} 0 & 0 & (C-A)\xi \\ 0 & 0 & (C-A)\eta \\ 0 & 0 & 0 \end{pmatrix}.$$

and A and C are the equatorial and polar moments of inertia of the entire model and ξ and η are the coordinates of the poles of inertia. The relationships between the coordinates of the pole of inertia and the pole of rotation are shown to be the same as in the case of solid and elastic earth. Orig. art. has: 10 formulas.

SUB CODE: 03/ SUBM DATE: 26Aug64/ ORIG REF: 001/ OTH REF: 004

Card 2/200

L 22661-66 EWT(1) GW
AGC NR: AP6006789

SOURCE CODE: UR/0033/66/043/001/0227/0230

AUTHOR: Taradiya, V. K.

ORG: Main Astronomical Observatory, AN UkrSSR (Glavnaya astronomicheskaya observatoriya AN UkrSSR)

27
26
C

TITLE: The nutaton constant for a rigid earth

SOURCE: Astronomicheskii zhurnal, v. 43, no. 1, 1966, 227-230
12,50

TOPIC TAGS: astronomic unit, nutation, earth rotation, moon

ABSTRACT: The nutation constant as adopted at the 12th Congress of the International Astronomical Union (in Hamburg, 1964) appears to be somewhat low. It was obtained by indirect considerations. The author investigates the value as based on the most reliable astronomical constants (on which the nutation depends), computing this value for a rigid earth. The equation for nutation is obtained by integrating ordinary equations of precession and nutation, using coordinates for the sun and moon in their respective orbits. The resulting equation is $N = \gamma \frac{\mu}{1 + \mu} H$, where μ is the ratio of earth mass to lunar mass, H is the mechanical

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UDC: 525.35

L 22661-66

ACC NR: AP6006789

compression of the earth, and γ is a coefficient depending on the orbits of the earth and moon, the angular velocity of the earth's nutation, the shift of the lunar node, and relations of the synodic month to the year. The value obtained for use in this work is $\gamma = 1.124679$ radians. Several methods of determining lunar mass were considered, but the author thinks that rocket data may be the most reliable. From such data the earth-moon ratio of masses proves to be 81.30. Mechanical compression of the earth is computed by rate of Newtonian precession. The most probable value of the nutation constant for a rigid earth is thus found to be $9''.2274$. The value that fits other astronomical constants best appears to be $9''.2255$. The author thanks Ye. P. Fedorov for his interest in this work. Orig. art. has: 4 tables and 2 formulas.

SUB CODE: 03/ SUBM DATE: 18Mar65/ ORIG REF: 003/ OTH REF: 011

Card 2/2 *AM*

CZONICZER, G.; TARAI, J.

Neo-Adigan, a new Hungarian digitalis preparation. Orv. hetil. 91
no.40:1186-1188 1 Oct 50. (CML 20:7)

TARAI, Laszlo

Let us learn from the example of the workers of the Vegetable Oil and Soap Factory. Munka 10 no.1:10-11 Ja '60.

1. "Nepszava" munkatarsa.

TARAI, Laszlo

Where workers' proposals are relied upon. Munka 10 no.2:8-9 P'60.

1. "Nepszava" munkatarsa.

ROZANSKI, Stanislaw; TARAJKOWSKA, Mieczyslawa; ZYCH, Stanislaw

Some results of researches on the climate of Lodz. Przegl
geofiz 6 no.1/2:19-20 '61.

TARAKAN, I. F.

Vegetable Gardening

New Method for getting ready and setting out vegetable crop seedlings. Dost.sel'khoz.
No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. UNCLASSIFIED.

1. TARAKAN, I. F.
2. USSR (600)
4. Vegetable Gardening
7. Methods for growing transplanted material, Sad 1 og., No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

GRIGOR'YANTS, A.S.

GRIGOR'YANTS, A.S.; KUTASOV, G.B.; ~~TARAKAN, N.A.~~; ROVKAKH, S.Ye.,
inzhener, nauchnyy redaktor; PERELYGIN, G.W., redaktor izdatel'stva;
YUDINA, L.A., redaktor izdatel'stva; PERSON, M.N., tekhnicheskiy
redaktor

[Standard repair enterprises in construction organizations]
Tipovye remontnye predpriyatia stroitel'nykh organizatsii.
Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1957. 127 p.
(MLRA 10:6)
(Building machinery--Maintenance and repair)

TARAKAN, N.A.

Repair service of the construction and assembly organizations. Mekh.
stroi. 18 no. 3:17-19 Mr '61. (MIRA 14:5)

1. Odesskiy proyektnyy institut No.3.
(Building machinery—Maintenance and repair)

Subject : USSR/Aeronautics - Model Building AID P - 5313
Card 1/1 Pub. 58 - 7/15
Author : Tarakanov, A.
Title : A captive flying model of helicopter
Periodical : Kryl. rod., 11, 12, N 1956
Abstract : A concise description of a captive flying model of a helicopter, as built by the author, with emphasis on the arrangement of the cords retaining the helicopter in flight. 1 drawing.
Institution : None
Submitted : No date

TARAKANOV, A.

AID P - 5536

Subject : USSR/Aeronautics - Model building

Card 1/1 Pub. 58 - 10/15

Authors : Kuryatnikov, E., Yu. Moroko, V. Litvak, A. Tarakanov

Title : Our readers suggest

Periodical : Kryl. rod., 12, 16-17, D 1956

Abstract : Four letters of the readers of the Wings of the Nation:
1) describing the construction of model wings and
empennage of thin profile; 2) advocating the use of
corn as model building material; 3) instructing in the
building of indoor models of helicopters; and 4) out-
lining the functioning of the rotors on the gyroplane
models. 4 drawings.

Institution : None

Submitted : No date

TARAKANOV, A., inzh.

Using glass tiles in facing surfaces. Sel'.stroif. 13 no.12:
17-18. D '58. (MIRA 12:1)

(Tiles)

(Glass construction)

L 45280-66

ACC NR: AP6024901

SOURCE CODE: UR/0317/66/000/007/0046/0050

AUTHOR: Tarakanov, A., (Lieutenant Colonel)

5
B

ORG: none

TITLE: Training of pontoon-bridge subunits in organizing water-barrier crossings

SOURCE: Tekhnika i vooruzheniye, no. 7, 1966, 46-50

TOPIC TAGS: floating bridge, military bridge, reconnaissance

ABSTRACT: The article deals with training troops of pontoon-bridge subunits in organizing crossings of water barriers. Methods are described for carrying out engineering reconnaissance and for launching a floating bridge. The procedure of technical maintenance in a pontoon company is analyzed and a diagram showing the organization of technical maintenance is given. Orig. art. has: 2 figures. [NT]

SUB CODE: 15/ SUBM DATE: none/

Card 1/1 *Phh*

TARAKANOV, A. D.

SHAPOSHNIKOV, L.V., doktor biolog.nauk, prof.; GOLOVIN, O.V., kand.biolog.nauk; SOROKIN, M.G., kand.biolog.nauk; TARAKANOV, A.D., starshiy prepodavatel'. Prinimali uchastiye: V'YUNOV, V.N.; SOKOLOV, P.P., inzh.-ryboved; VIKTOROV, G.S., tekhn.red.

[Animal world of Kalinin Province] Zhivotnyi mir Kalininskoi oblasti. Kalinin, Kalininskoe knizhnoe izd-vo, 1959. 459 p.
(MIRA 13:10)

1. Nachal'nik Kalininskogo oblastnogo upravleniya okhotnich'yego khozyaystva (for V'yunov).
(Kalinin Province--Vertebrates)

PUSHKAR', L.N., kand. med. nauk; TARAKANOV, A.I.

Reactions in the transfusion of Belenkii's serum and its prevention.

Voen. med. zhur. no.1:56-60 Ja '57

(MIRA 12:7)

(AMINO ACID MIXTURES, inj. eff.

Belenkii's protein hydrolysate, prev. of reactions in transfusion (Rus))

SOBOL', S.I.; NELEN', I.M.; SPIRIDONOVA, V.I.; BERLIN, Z.L.;
GORYACHKIN, V.I.; TARAKANOV, B.M.; SHKURSKIY, V.D.; Prinsipali
uchastnye: FREYMAN, A.K., inzh.; BRUK, B.M., inzh.;
CHEBOTKEVICH, G.V., inzh.; OSPIN, V.G., inzh.; ALEKSANDROVA, N.N.,
laborant; SALTUKOV, I.B., laborant; TELKOVA, Ye.I., laborantka;
TEPLYAKOV, Yu.M., laborant; GAVRILENKO, A.P., slesar';
KURGUZOV, A.S., elektrik; GAVRILOV, I.T., elektrik

Pilot-plant testing of the State Institute of Nonferrous
Metals flow sheet for the autoclave retreatment of copper-
molybdenum intermediate products. Sbor. nauch. trud. Gin-
tsetmetmeta no.19:319-339 '62. (MIRA 16:7)

(Nonferrous metals--Metallurgy)
(Leaching)

SHAPIRO, K.Ya.; GLEBOV, Yu.M.; TARAKANOV, B.M.; KULAKOVA, V.V.; KAPKAYEVA, Kh.

Production of ammonium paratungstate from autoclave solutions by
an acid-free method. TSvet. met. 36 no.1:54-57 Ja '63.

(MIRA 16:5)

(Ammonium tungstate) (Hydrometallurgy)

TARAKANOV, B.V., aspirant; KOLEN'KO, Ye.I., dotsent, nauchnyy
rukovoditel' raboty

Lactic acid microflora of the rumen in calves and the effect
of crystal hydroxytetracycline on it. Veterinarskiy zhurnal
no. 9:22-24 S '65.

1. Vsesoyuznyy nauchno-issledovatel'skiy tsentr
i zhurnal sel'skokhozyaystvennykh nauk

TARAKANOV, E.

①^M ✓ Relation of the yield of insulin to the structure of various parts of the pancreas. E. Tarakanov and L. Ciembotskaya. *Mysnaya [ed. S.S.S.R.]* No. 3; 31-2 (1956).—There is a greater concn. of insulin in the rear part of the pancreas than in the fore part. M. M. Pickur.

EXCERPTA MEDICA Soc.3 Vol.12/5 Endocrinology April 58

TARAKANOV, E. I.

735. HORMONALLY-ACTIVE TUMOURS OF THE ADRENAL CORTEX (Russian text) - Tarakanov E. I. All Union Inst. of Exp. Endocrin., Moscow - PROBL. ENDOKR. 1956, 2/5 (61-71) illus. 11

Thirty-five different tumours of the adrenals were analysed on clinicomorphological criteria. Three tumours presented as neoplasms arising from interrenal tissue, ectopically located in the region of the pelvis minor and in the ovary. There were 16 tumours of the adrenal cortex with a clinical picture of virilism, 9 being benign and 7 malignant adenomata. The benign tumours of the adrenocortical substance (androsteromata) with virilizing syndrome consisted of ill-defined adrenal cells containing hardly any lipoids. The urinary 17-ketosteroid excretion was markedly diminished. The androsteromata often underwent malignant change. Nine tumours were related to the so-called metabolic group (corticoandrosteromata). The main bulk of such tumours is composed of clear cells with foamy, coarse-grained and finely vacuolated protoplasm and lightly staining nuclei poor in chromatin, and of darkly staining cells forming small groups scattered about in the proximity to the vessels. Attention is drawn to the pleomorphism of the nuclei, especially marked in the dark cells. There is an abundance of lipoids in the cells of the corticosteromata. There is a considerably reduced production of 17-ketosteroids in patients with tumours of this type. The hypothesis is adduced that in the presence of an adrenal tumour there is a change in the reciprocal relationship between its parenchymatous elements and the blood, and also between the cortical and the medullary substance.

Uranova - Moscow (S)

TARAKANOV, E.I.; RABKINA, A.Ye.

Modifications in the histological structure of the pancreas
under various conditions of preservation. Probl.endok. i
gorm. 1 no.6:84-87 N-D '55. (MIRA 12:8)

1. Iz otdela morfologii (zav. prof.Ye.I.Tarakanov) Vsesoyuznogo
instituta eksperimental'noy endokrinologii (dir. prof.Ye.A.
Vasyukova).

(PANCREAS,

preserv. of isolated gland, eff. of methods
on histol. changes)

TARAKANOV, G., agronom

Covering ensilage with soil is not absolutely necessary. Nauka i
pered.op.v sel'khoz. 8 no.11:34 N '58. (MIRA 11:12)
(Ensilage)

EDEL'SHTEIN , V.; TARAKANOV, G.; EGLE, A. [translator]; NEILANDE, A.,
red.

[Growing of vegetable seedlings. Translated by A.Egle] Dar-
zenu destu audzesana. Riga, Latvijas Valsts izd-ba, 1964.
137 p. (MIRA 17:6)

BRIGGS, R.; TARAKANOV, G.

Nacreous clouds over the coast of Victoria Land. Inform. bul.
Sov. antark. eksp. no.46x61-62 '64 (MIRA 18:1)

L 18854-66 EWT(1)/ECC GW
ACC NR: AP6011107

SOURCE CODE: UR/0050/65/000/012/0035/0037

AUTHOR: Vitek, V. (Candidate of physical-mathematical sciences); Tarakanov, G. ²⁰
(Candidate of geographical sciences) _B

ORG: Institute of Atmospheric Physics, Czechoslovakian Academy of Sciences (Institut fiziki atmosfery Chekhoslovatskoy Akademii nauk); Leningrad Hydrometeorological Institute (Leningradskiy gidrometeorologicheskii institut)

TITLE: Model of surface circulation in antarctica ^{12,44,55}

SOURCE: Meteorologiya i gidrologiya, no. 12, 1965, 35-37

TOPIC TAGS: atmospheric circulation, anticyclone, cyclone, wind

ABSTRACT: The principal features of surface circulation in Antarctica can be characterized as follows. At coastal stations of Antarctica there is a predominance of easterly winds and on the whole the coastal regions can be represented as the periphery of an enormous anticyclone whose center is situated somewhere in the middle of the continent. Daily synoptic maps show that such a center actually exists in a region near the Soviet station Vostok. Its precise position is difficult to determine due to the fewness of the stations. Intensity of the anticyclone attenuates rapidly with height. Around Antarctica there is a ring of cyclones forming a zone of low pressure. This ring is broken from time to time by blocking ridges oriented either from the continent or from the ocean. Usually there is a joining of the continental anti-

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UDC: 551.513(99)

L 18854-66

ACC NR: AP6011107

cyclone with the oceanic ridge in the form of a more or less broad
bridge of high pressure in the circumpolar trough. Then these bridges
are disrupted and the ring of cyclones is restored. This paper con-
sists of a mathematical representation (as a series of formulas) of the
qualitative picture described above. Orig. art. has: 5 formulas. [JPRS]

SUB CODE: 04 / SUBM DATE: 22Feb65 / ORIG REF: 002 / OTH REF: 001

Card 2/2 (1/2)

TARAKANOV, G. G.

Tarakanov, G. G. -- "Gale Winds in the Regions of the Reservoirs of the Volga-Don Transport System and the Possibility of Their Prognosis." Min Higher Education USSR. Leningrad Hydrometeorological Inst. Leningrad, 1956. (Dissertation For the Degree of Candidate in Geographical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-114

TARAKANOV, G., kand.tekhn.nauk

Method of calculating the regulation of rivers with open channels.
Rech. transp. 20 no.12-43 D '61. (MIRA 14:12)
(Rivers--Regulation)

ASTAPENKO, P.D.; BEL'SKAYA, N.N.; BUSHUK, V.I.; BUSHUK, O.A.; GUROV, V.P.;
ZUBYAN, G.D.; KATS, A.L.; MININA, L.S.; MOROZKIN, A.A.; PAVLOVSKAYA,
A.A.; POGOSYAN, Kh.P.; SAMOYLOV, A.I.; SMIRNOV, P.I.; TARAKANOV,
G.G.; TURKETTI, Z.L.; CHERNOVA, V.F.; CHISTYAKOV, A.D;

[Synoptic atlas for schools]Uchebnyi sinopticheski atlas. Pod
red. Kh.P.Pogosiana. 3, perer. i dop. izd. Leningrad, Gidrometeo
izdat, 1962. 217 gold.col.maps. (MIRA 16:3)

___[Assignments for students]Zadaniia dlia uchashchikhsia. Pod
red.Kh.P.Pogosiana. 138 p. ___[Methodological instructions and
recommendations for teachers]Metodicheskie ukazania i rekomen-
datsii dlia prepodavatelei. Pod red. Kh.P.Pogosiana. 73 p.
(Meteorology—Charts, diagrams, etc.)

TARAKANOV, G.G.; KHANDOZHKO, L.A.

Precise method of calculating wind over reservoirs. Trudy GGO
no. 148:133-136 '63. (MIRA 16:6)

(Winds)

TARAKANOV, G.G., kand.geograf.nauk

Calculation of the vertical motions in the atmosphere for the region
of the Antarctic McMurdo Station. Inform. biul. Sov. antark. eksp.
no.45:39-42 '64. (MIRA 18:1)

1. Leningradskiy gidrometeorologicheskiy institut.

TARAKANOV, G.G., kand.geogr.nauk

Nacreous clouds over McMurdo. Inform.biul.Sov.antark.eksp. no.52:32-
34 '65. (MIRA 18:10)

1. Leningradskiy gidrometsorologicheskiy institut.

VITEK, V., kand. fiz.-matem. nauk; TARAKANOV, G., kand. geogr. nauk

Scheme of surface circulation in the Antarctic. Meteor. i gidrometeorol. no. 12:35-37 D '65.

L. Institut fiziki atmosfery Shekhtelovitskiy Akademi nauk i Leningradskiy gidrometeorologicheskii Institut.

1.4099-66 151(1) 77

ACC NR: AT6016060

(N)

SOURCE CODE: UR/3174/66/000/057/0065/0070

AUTHOR: Tarakanov, G. G. (Candidate of geographical sciences)

31
B+1

ORG: Leningrad Hydrometeorological Institute (Leningradskiy gidrometeorologicheskii institut)

TITLE: Vertical atmospheric movements in the Antarctic

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955. Informatsionnyy byulleten', no. 57, 1966, 65-70

TOPIC TAGS: wind velocity, wind measurement, atmospheric temperature, ~~gradient-~~

temperature gradient

ABSTRACT: A formula developed by the author (1964) for the determination of a vertical component of wind velocity is compared with a standard forecasting method used by the Central Forecasting Institute. The formula is applied to the study of the Antarctic atmosphere on the basis of observations made in 1963. The formula gives the mean wind velocity component W , expressed in cm/sec, as

$$W = \frac{0,14T_m}{(z_2 - z_1)(\gamma_a - \gamma)} \cdot v_1 v_2 \cdot \sin \alpha - \frac{\Delta T_m}{8,64(\gamma_a - \gamma)}$$

where T_m is the mean temperature of layer Δz , ΔT_m is the mean temperature change in a

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L 40899-66

ACC NR: AT6016060

layer Δz in one day, γ_a is the adiabatic vertical gradient of temperature, γ is the actual temperature gradient, α is the wind direction angle, and v_1 and v_2 are the wind velocities in the lower and upper boundaries of a layer, respectively. The data show that 1) the vertical atmospheric movements in the Antarctic are of an order of magnitude similar to that in other regions of the earth; 2) vertical movements in a layer of 500-700 mb are closely connected with the dynamics of the atmospheric processes and have no connection with the orography of the region; and 3) distribution of vertical movements in the atmosphere are closely connected with the baric fields. Orig. art. has: 1 formula, 1 table, 2 figures.

SUB CODE: 04/

SUBM DATE: 07Oct65/

ORIG REF: 001

no
Card 2/2

COUNTRY : USSR
CATEGORY : Cultivated Plants. Potatoes, Vegetables, Cucurbits. M
ABS. JOUR. : RZhBiol., No. 23 1958, No. 104693
AUTHOR : Edel'shtein, V. I. ~~Tarakapov, G. I.~~
INST. : -
TITLE : On Transparent Tarpaulins. .
ORIG. PUB. : Sad i ogorod, 1958, No. 4, 29-31
ABSTRACT : On the tests (since 1952) of 7 types of tarpaulins at the Vegetable Experiment Station of Tashkent. Recommended for practical utilization are polyethylene tarpaulins distinguished by frost resistance (to -60°) and tensile strength (130-300 kg) and polyamide tarpaulin KA-4 ("perfol", with tensile strength of 1250-1500 kg/cm²). In greenhouses, upon covering with tarpaulin, the soil temperature rose by 1.5-2^o, and the temperature of the air - by 3-4^o.

Card: 1/1

53

SIDOROVA, R.G., inzh.; TARAKANOV, G.I., kand.sel'skokhoz.nauk, red.;
SIDOROV, V.Ya., red.; KHOMYAKOV, A.D., tekhn.red.

[Plastics in agriculture; translated articles] Plastmassy
v sel'skom khozsisistve; sbornik perevodov. Red.G.I.Tarakanov.
Sost.R.G.Sidorova. Moskva, Izd-vo inostr.lit-ry, 1959. 250 p.
(Plastics)

ALEKSANDROV, S.V., kand.sel'skokhoz.nauk; BOGUSHVSKIY, A.A., kand.tekhn.
nauk; VASHCHENKO, S.F., kand.sel'skokhoz.nauk; GERASIMOV, B.A.,
kand.sel'skokhoz.nauk; GROMOV, N.G. [deceased]; KORBUT, V.A.;
KUDREVICH, I.A.; MAMAYEV, M.G., kand.tekhn.nauk; NOVIKOV, A.P.;
OSNITSKAYA, Ye.A.; SIMANOVSKIY, A.Yu.; SLEPTSOV, S.A.; SPIRIDONOVA,
A.I.; TARAKANOV, G.I., kand.sel'skokhoz.nauk; CHENYKAYEVA, Ye.A.;
KITAYEV, S.I., red.; FILATOV, N.A., sasluzhennyy agronom RSPSR;
GRUDINKINA, A.P., red.; MARTYNOV, P.V., red.; ARTSYBASHOVA, A.P.,
tekhn.red.; BARBASH, F.L., tekhn.red.

[Vegetable growing under cover] Ovoshchevodstvo zashchishchennogo
grunta. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960. 279 p.

(MIRA 13:12)

(Vegetable gardening)
(Hotbeds)

(Greenhouses)

TARAKANOV, G.I., kand.sel'skokhozyaystvennykh nauk, dotsent

Evolution of cultivated tomatoes (*Lycopersicon esculentum* Mill. sep. cultum Brezn.) and their development for early ripening. Izv. TSKhA no.4:35-54 '61. (MIRA 14:9)

(Tomatoes--Varieties)

TARAKANOV, German Ivanovich; CHAPLYGIN, Boris Konstantinovich, kand.
sel'khoz. nauk; LEONOVA, T.S., red.; RAKITIN, I.T., tekhn.
red.

[Lightweight covers] Nevesomye ukrytia. Moskva, Izd-vo
"Znanie," 1962. 29 p. (Novoe v zhizni, nauke, tekhnike. V Se-
riia: Sel'skoe khoziaistvo, no.1) (MIRA 16:1)
(Greenhouses) (Plastic films)

TARAKAN I. G.I., dissert, kand. sel'skokhoz. nauk

Effectiveness of the use of polymer film coverings in vegetable
gardening. Izv. VASKH no. 2: 7-9. 1961.

1961 17:103

1. Kafedra ovoshchevodstva Moskovskoy ordena Lenina selskoy kho-
zyaystvennoy akademii dr. P.S. Tishchenko.

FOREL'SHTYIN, V.I., pochetnyy akademik; FOMIN, V.I., prof.; TIMOFEEV,
N.P., prof.; LOZAKOV, G.I., dokent; ZHUK, V.M.

Vegetable Experiment Station, the oldest experimental basis of
scientific vegetable gardening. Izv. TSKhA no.2:192-217 '65.
(MIRA 1969)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
Lenina (for Edel'shteyn). 2. Direktor ovoschnoy opytnoy
stantsii Moskovskoy akademii sel'skokhozyaystvennykh nauk
imeni Timiryazeva (for Vol'f).

TEKHNIKOVI, G.M.
RYCHIK, F.F., dotsent, kandidat tekhnicheskikh nauk; RUMYANTSEV, V.G.,
gornyy inzhener; MOROZOV, V.I., gornyy inzhener; TARAKANOV, G.M.,
gornyy inzhener.

Boring with small diameter bits. Gor. shur. no.8:76-77 Ag '57.
(Boring machinery) (MLRA 10:9)

PGPOV, G.N., professor, doktor tekhnicheskikh nauk; RYCHIK, F.F., kandidat
tekhnicheskikh nauk; RUMYANTSEV, V.G., inzhener; TARAKANOV, G.M., inzhener.

Metal rod supports in stoping. Gor.zhur. no.9:27-29 S '57. (MIRA 1:0)
(Mine timbering)

TARAKANOV, G.M.

Improving methods of controlling rock pressure on thin flat seams. Izv.vys.ucheb.zav.; tsvet.met. 2 no.1:7-19 '59.

(MIRA 12:5)

1. Moskovskiy institut tsvetnykh metallov i zolota. Kafedra razrabotki rudnykh i rossypnykh mestorozhdeniy.

(Mining engineering) (Mine timbering)

VINOKUROVA, M.D., rabotnik pavil'ona,; GALKINA, A.G., rabotnik pavil'ona,;
GITIS, Ya, Ye., rabotnik pavil'ona,; DERGACHEVA, V.I., rabotnik pavil'ona;
ZAK, R.G., rabotnik pavil'ona,; RAKSHA, N.A., rabotnik pavil'ona,;
SALSY, Ye.A., rabotnik pavil'ona,; TARAKANOV, G.N., rabotnik pavil'ona,;
TOMASHUK, F.A., otv. red.; DMITRIYEVA, L.A., red.; LUKINA, L. Ye.,
tekhn. red.

[Far East] Dal'nii Vostok. Moskva, Izd-vo "Sovetskisa Rossiia,"
1958. 109 p. (MIRA 11:12)
(Soviet Far East--Agriculture)

TARAKANOV, G.P.

TARAKANOV, G.P., inzh.

Affixing crossarms to centrifuged poles. Transp.stroi. 7
no.5:31 My '57. (MIRA 10:11)

(Electric lines--Poles)

AUERBAKH, V.M., inzh.; TARAKANOV, G.P., inzh.

Standardization of the working equipment is a means of increasing
the efficiency of excavators. Mekh. stroi. 15 no.1:6-8 Ja '58.
(Excavating machinery) (MIRA 11:1)

BONDARENKO, N.A., inzh.; RATNER, A.M., inzh.; SOKOLOV, K.A., inzh.;
GUBANOV, N.P., inzh.; SCRIN, N.M., inzh.; TARAKANOV, G.P., inzh.;
IVANOV, S.M., inzh.; NIRK, A.D., inzh.; ROVLAKH, S.Ye., kand.tekhn.
nauk; FILIPPOV, V.V., inzh.; KHAYKIS, L.B., kand.tekhn.nauk;
LAMBDEV, V.I., inzh.; VELICHKIN, Ye.A., inzh., red.; KHITROV, P.A.,
tekhn.red.

[Handbook for mechanics of a construction project] Spravochnik
mekhanika stroitel'nogo uchastka. Pod red. K.A.Sokolova. Moskva,
Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshchenia, 1960.
619 p. (MIRA 14:3)

(Mechanical engineering) (Road machinery)
(Railroads--Construction)

TARAKANOV, G.P.

Machine for erecting contact network for the electrification of
railroads. Biul.tekh.-ekon.inform. no.5:55-56 '60. (MIRA 14:3)
(Electric railroads—Wires and wiring)

TARAKANOV, G.P.; PUSTIL'NIKOV, M.V.

The KTS-5-10 and KTS-3-5 mobile tower cranes. *Biul.tekh.-
ekon.inform.* no.7:37-40 '60. (MIRA 13:7)
(Cranes, derricks, etc.)

TARAKANOV, G.P., insh.

Machine with a hinged hoist for assembling operations in constructing electric railroads. Transp.stroi. 10 no.3:20-21
Mr. '60. (MIRA 13:6)
(Electric railroads--Construction)
(Hoisting machinery)

TARAKANOV, G.P., inzh.; KHOROVICH, L.I., inzh.

Machine for boring holes in frozen ground. Transp.stroi. 10 no.6:
40-42 Je '60. (MIRA 13:7)
(Frozen ground) (Boring machinery)

TARAKANOV, G.P., inzh.

Modernized ETS-3 motor tower crane. Transp. stroi. 10 no.11:23-25
N '60. (MIRA 13:11)

(Cranes, derricks, etc.)

TARAKANOV, G.P.

Self-propelled unit for welding rail joints and supplying
electric power to high-frequency power tools. Biul.tekh.-ekon.
inform. no.6:48-49 '61. (MIRA 14:6)
(Railroads--Electrification)
(Electric welding)

TARAKANOV, G.P., inzh.; SAVOTIN, G.I., inzh.

New mounted attachment for the ETU-353 trench excavator. Transp.
stroj. ll no.4:50 Ap '61. (MIRA 14:5)
(Excavators—Equipment and supplies)

TARAKANOV, G.P., inzh.

Modernized BKSM-1m-2 tower cranes. Transp. stroi. 11 no.7:51-52
J1 '61. (MIRA 14:7)
(Cranes, derricks, etc.)

GOLOVANOV, G., kand. tekhn. nauk; GRAUR, I.; ZHAKSYBAYEV, N.; LI, I.;
TARAKANOV, I.; ZINCHEVSKIY, N.; GENERALOV, G.

"Gornyi zhurnal" 's contributions to industry. Gor. zhur.
no.7:9-13 JI '65. (MIRA 18:8)

1. Direktor kombinata "Apatit" (for Golovanov).
2. Glavnyy inzh. Sokolovsko-Sarbayevskogo gornobogatitel'nogo kombinata (for Graur).
3. Direktor Zyryanovskogo svintsovogo kombinata (for Zhaksybayev).
4. Nachal'nik proizvodstvenno-tekhnicheskogo otdeleniya Dzhelzokazganskogo gornometallurgicheskogo kombinata (for Li).
5. Direktor kombinata "Achpolimetall" (for Tarakanov).
6. Glavnyy inzh. Krivorozhskogo gornorudnogo tresta "Leninruda" (for Zinchevskiy).
7. Glavnyy inzh. Yuzhnogo gornobogatitel'nogo kombinata (for Generalov).

KHUDYY, V.B.; TARAKANOV, I.A.

In an underground city. Zdorov'ie 6 no.5:25 My '60.

(MIRA 13:6)

(MOSCOW--SUBWAYS--HYGIENIC ASPECTS)

TARAKANOV, I.G.; KOGAN, I.S.; GOGOL', I.N., starshiy inzh.

Development of mining systems. Gor. zhur. no.3:15-19 Mr '62.
(MIRA 15:7)

1. Glavnyy inzh. kombinata "Achpolimetall" (for Tarakanov).
2. Glavnyy inzh. rudnika "Mirgalimsay" (for Kogan).
(Mirgalimsay region--Mining engineering)

BALAKH, R.V.; TARAKANOV, I.G.; MESHCHERYAKOV, G.V.

Advantages of filling cavities on the upper levels of the
Mirgalimsay Mine and mining support pillars. Trudy Inst. gor.
dela AN Kazakh.SSR 12:3-12 '63. (MIRA 17:8)

TARAKANOV, I.G.; KOGAN, I.S.; NIVIN, A.G.

World's record set by Mirgalimsay miners. Gor. zhur.
no.9:1-4 S '64. (MIRA 17:12)

1. Direktor Achisayskogo polimetallicheskogo kombinata (for
Tarakanov). 2. Nachal'nik Mirgalimsayskogo rudnika (for Kogan).

KHAYI, D.M., kand. inzh. nauk; Belaruskiy inzhenerov
starshiy prepodavatel'

Machining structural carbon steel with cutting tools made of
new high-speed alloys. Nauka - proizv. no.1:27-33 '63.

(GIRA 16:1)

1. Glavnyy inzhener Gomel'skogo stankostroitel'nogo zavoda im.
S.M. Kirova (for Kopylov). 2. Belorusskiy institut inzhenerov
zheleznodorozhnogo transporta (for Tarakanov).

ACC NR: AP7000156

SOURCE CODE: UR/0250/66/010/011/0049/0852

AUTHOR: Konovalov, Ye. G. (Corresponding member AN BSSR); Tarakanov, I. L.

ORG: Physico-Technical Institute, AN BSSR (Fiziko-tekhnicheskiy institut AN BSSR); Belorussian Institute of Railroad Transportation Engineers (Belorusskiy institut inzhenerov zheleznodorozhnogo transporta)

TITLE: Cutting with an autospinning cutting tool

SOURCE: AN BSSR. Doklady, v. 10, no. 11, 1966, 849-852

TOPIC TAGS: metal cutting machine, tool finishing machine, wear resistance, stainless steel, lathe

ABSTRACT: In order to increase the wear resistance and productivity of cutting tools during semifinishing operations, a study was made of the spin cutting method. Steel work pieces were cut on a lathe with a cup-shaped rolling tool which rotated on bearings relative to the working surface. The cutter was clamped in the tool holder of the lathe so that its rotating axis was at a small angle $\alpha = 5-10^\circ$ with the base plane. The front face of the cutter had a tapered surface which rotated along with the emerging chip, while the cutter edge was the back face. With this design, slipping and heat release decreased on the cutter edge so that wear was minimized. The slip velocity of the working surface relative to the back face of the cutter was much lower than the ro-

Card 1/2

ACC NR: AP7000156

tational velocity of the stock, decreasing the heat release and wear in the friction zone. The plastic deformation characteristics of the cut layer affected tool wear considerably. Cutting temperatures were indicated by the thermal emf arising in the contact zone. During cutting of type 45 steel the thermal emf equaled 2.45 mv, corresponding to chip loss rates of 53, 74, and 330 m/min. The austenitic steel 1Kh18N19T had a thermal emf of 4.4 mv, corresponding to a cutting speed of 24 m/min with an ordinary cup-shaped tool, or 180 m/min with the spinning tool. Wear measurements on the back face of a P18 spinning tool are given as a function of the number of cutting passes made on type 45 steel of 152 mm diameter. The amount of wear per pass increased with spindle velocity. Trigonometric equations were derived for the change in facing angle and diameter of the spinning tool as a function of wear. Spindle velocities at different tool angles were given for both steels as a function of tool life, cutting time, and feed rate. A geometrical construction showed the microprofile of the machined surface. Steel 45 had a surface finish number of 7 (4.5 micrometers) after spin cutting with a peripheral cutting velocity of 372 m/min, a feed of 0.5 mm/rev, and a cutting depth of 0.25 mm. Orig. art. has: 2 figures, 8 formulas.

SUB CODE: 13,14/

SUBM DATE: 09Jun66/

ORIG REF: 004

Card 2/2

L 6672-65 EWT(m)/EWP(k)/EWP(q)/EWP(b) Pf-L/Pad ASD(m)-3 MJW/JD/HW
8/0276/64/000/003/8192/8192

57

ACCESSION NR: AR4036010

SOURCE: Ref. zh. Tekhnol. mashinostr. Sv. t., Abs. 381096

AUTHOR: Khayt, D. M.; Kopylov, V. N.; Tarakanov, I. L.

TITLE: The machining of carbon structural steel with cutters made of new high-speed alloys

CITED SOURCE: Sb. Nauka - proiz-vu. Minsk, no. 1, 1963, 27-33

TOPIC TAGS: high speed alloy, high speed cutting tool, carbon steel machining, metal cutting, machine tool, vanadium steel, cobalt steel

TRANSLATION: Results are given of research under production conditions of the cutting properties of high-vanadium and cobalt high-speed steels during the machining of structural carbon steel of medium strength. It was determined that cutting tools of the new high-speed alloys can provide higher productivity and stability than those of high-speed R18 and R9 steels. Through-pass planar cutters lend themselves to production of high-vanadium steel, and at forced-speed operational schedules, such cutters are best made of cobalt-vanadium steel. For scraping operations, tools of cobalt steel type R9k10 provide a severalfold greater stability

Card 1/2

L 6672-65

ACCESSION NR: AR4036010

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than those of R18 steel.

SUB CODE: W4

ENCL: 00

Card 2/2

TARAKANOV, I. L., starshiy prepodavatel'

Strength tests of tools for machining on lathes with
step-by-step control of the numbers of spindle rotations.
Izv. vys. ucheb. zav.; mashinostr. no. 9:156-159 '65.
(MIRA 18:11)

DZHELEPOV, V.P.; DMITRIYVSKIY, V.P.; KATYSHEV, V.S. [deceased]; KOZODAYEV,
M.S.; MESHCHERYAKOV, M.G.; TARAKANOV, K.I.; CHESTNOY, A.V.

High-energy particle beams emitted by the six-meter synchrocyclo-
tron and their use. Atom.energ. no.4:13-21 '56. (MLRA 9:12)
(Cyclotron) (Particles, Elementary)

7/11/1956
IGNATENKO, A.Ye.; KRIVITSKIY, V.V.; MUKHIN, A.I.; FOMTKORVO, B.;
REUT, A.A., [deceased]; TARAKANOV, K.I.

Emergence of high-energy particle beams through the magnet
yoke of the synchrocyclotron. Atom. energ. no.5:5-8 '56. (MLRA 10:2)

(Cyclotron) (Gamma rays) (Neutrons)

TARAKANOV, K.I.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1507
AUTHOR DŽELEPOV, V.P., DMITRIEVSKIJ, V.P., KATYŠEV, V.S., KOZODAEV, M.S.
MEŠCERJAKOV, M.G., TARAKANOV, K.I., ČESTNOJ, A.V.
TITLE The Bundles of Particles with High Energies emitted by the
6 Meter Synchrocyclotron and their Utilization.
(Survey of Articles dealing with this Subject).
PERIODICAL Atomnaja Energija, 1, fasc.4, 1321 (1956)
Issued: 10 / 1956

The present work deals with the problem of the best utilization of the synchrocyclotron and describes a method for the production and collimation of many bundles of particles so that several experimental orders may work simultaneously. The principal means of attaining better utilization of this accelerator: Two problems must, above all, be solved: Removal of the various intense bundles of particles from the vacuum chamber of the accelerator and a considerable reduction of the background which is due to the accompanying radiation. For this purpose the following measures were undertaken: a) Removal of the bundles of high energy protons, neutrons, and pions from the chamber of the accelerator behind the protective shield in 13 different directions. b) Installation of a measuring pavilion which is protected against photon radiation and of a special laboratory for work connected with pion bundles. c) Simultaneous carrying out of experiments with several bundles of homogeneous or heterogeneous particles, gauging of apparatus. d) Automatic remote control of experimental apparatus. e) Registration of nuclear processes by electronic systems with several channels.

Atomnaja Energija, 1, fasc.4, 13-21 (1956) CARD 2 / 2

PA - 1507

There follows a discussion of the following subjects: Bundles of particles with high energies, protection of worker's premises in the synchrocyclotron against radiation, the characteristics of the bundles of particles of high energy emitted from the accelerator (unpolarized proton bundle, pion bundle, bundle of neutrons, γ -quanta, polarized nucleon bundles), irradiation of samples in the chamber of the synchrocyclotron.

There follows a detailed discussion of work performed simultaneously on several bundles of particles. The distribution of testing devices in the measuring pavilion is demonstrated on the basis of a photograph. All recording devices (counting schemes, automatic recorders, electromechanic counters etc.) as well as remote control desks and the current regulators of the electromagnets are located in a special hall which is separated from the measuring pavilion by a concrete wall of 2 m thickness. The various apparatus located in the two halls are connected by means of suitable cables.

In the above described manner it was possible to reduce losses of working time to from 7 to 8%. The time concerned is mostly that which is necessary for attending to apparatus.

INSTITUTION:

TARAKANOV, K.I.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1751
 AUTHOR IGNATENKO, A.E., KRIVICKIJ, V.V., MUCHIN, A.I., PONTEKORVO, B.,
 REUT, A.A., TARAKANOV, K.I.
 TITLE The Leading-Out of Bundles of Energy-Rich Particles through the
 Pole Shoes of the Electromagnet of a Phasotron.
 PERIODICAL Atomnaja Energija, 1, fasc.5, 5-8 (1956)
 Issued: 1 / 1957

The present paper describes the method for the production of collimated pion bundles which was developed in the summer of 1953. On this occasion the pole shoes of the electromagnet serve as the main protection against the direct radiation of the accelerator. Apart from the economic advantage offered, the application of pole shoes as protection against radiation permits a considerable increase of the operation surface for investigations. In the 6 m phasotron of the Institute for Nuclear Problems of the Academy of Science in the USSR the properties of mesons are investigated on bundles which are led out not only through and between the pole shoes, but also through a specially built "principal concrete protection" of the phasotron. However, this concrete protection is comparatively far away from the chamber of the accelerator, and therefore the meson bundles led through the pole shoes are more intense than the bundles led out through the principal concrete protection.

The leading out of monoenergetic pion bundles through the pole shoes of the phasotron magnet is discussed on the basis of a drawing. The mesons produced by the bombardment of the target (arranged in the accelerator chamber) with 680 MeV

Atomnaja Energija, 1, fasc.5, 5-8 (1956)

CARD 2 / 2

PA - 1751

protons were analyzed according to energies and impinged upon one of the three holes bored into the poleshoes of the electromagnet. After passing through the collimator established in the channel, the mesons fell into the place containing the experimental devices ("Meson Laboratory"). Here the pions were deflected by 30° by means of an additional magnet, after which they impinged upon the measuring apparatus. The deflecting electromagnet can be adjusted to the axis of one of the three collimators by means of a special mechanism. Choosing the direction of the collimators is of particular importance. In the collimator holes magnetic field strength must be attenuated in an effective manner. In the course of special tests various magnetic screens were examined. On the basis of the results obtained on this occasion the collimators were produced in form of multilayer-cylindrical magnetic screens of steel and brass. A more than thousand-fold attenuation of magnetic field strength was attained.

The pion bundles: The intensity of the pions was measured in the "Meson Laboratory" by means of a telescope consisting of three scintillation counters connected for coincidence. The energy of the pions was determined from their range in copper. The intensities of the bundles of pions with different energies are shown in a table. In conclusion scattered radiation is discussed. It was found that a concrete protection of 1 m thickness (density $2,4 \text{ g/cm}^3$), which completely surround the detector, attenuates scattered radiation down to $\sim 1/40$.

INSTITUTION:

TARAKANOV, K.I.

9147

EXTRACTION OF HIGH ENERGY PARTICLE BEAMS
THROUGH THE YOKS OF THE SYNCHROCYCLOTRON
ELECTROMAGNET // A. B. Ignatenko, V. V. Krivitskiy,
A. I. Mukhin, B. P. Pustogolov, A. A. Zhurav, and K. I.

~~Ignatenko, B. Nuclear Energy 5, No. 1, 37-3 (1957).~~

A method is described for obtaining collimated beams of high-energy particles, in particular π mesons, based on the use of the electromagnet yoke as the main shield from the direct radiation of the accelerator. By placing collimators in channels drilled in the electromagnet yoke, beams of π mesons with energies up to 400 Mev have been obtained (auth)

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1-4-50

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DUGIN, YesV., inzh.; TARAKANOV, K.I., inzh.

Problems of standard design in coal mining enterprises. Shakht.
strei. no.8:6-8 Ag '58. (MIRA 11:9)
(Coal mines and mining--Standards)

TARAKANOV, K.I., inzh.; KHAVIN, Ya.M., inzh.

Construction of buildings and mine surface structures using
standard plans. Shakht.stroi. no.4:4-6 Av '59. (MIRA 12:5)
(Mine buildings) (Mining engineering--Standards)

TARAKANOV, K.I., inzh.

New design of demountable switching tracks for mine transportation.
Shakht. stroi. 4 no.4:27 Ap '60. (MIRA 13:11)

1. Gosstroy SSSR.
(Mine railroads--Track)

TARAKANOV, K.I., insb.

Improve the quality of mine structures made from
standard designs. Shakht.stroi. 4 no.9:1-3 S '60.
(MIRA 13:8)

1. Gosstroy SSS...
(Mine buildings) (Mining engineering)

TARAKANOV, K.I., inzh.; KHAVIN, Ya.M.

Raise the technical level of the construction of industrial buildings and installations in the coal industry. Shakht. stroi. 5
no.9:1-6 S '61. (MIRA 16:7)

1. Gosstroy SSSR (for Tarakanov). 2. Gosudarstvennyy institut po proyektirovaniyu shakhtnogo stroitel'stva v yuzhnykh rayonakh SSSR (for Khavin).
(Industrial buildings) (Coal mines and mining)

TARAKAN V, H.N.

"The Changes in Bronchial Epithelium Under Different Conditions of Growth," Dok. Ak. 22, No. 7, 1947.

TARAKANOV, K. N.

Biology - Study and Teaching

Methods used in lectures on "Michurin's teachings concerning species and development of species." Est. v shkole No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 ~~1951~~, Uncl.

TARAKANOV, K.E.

Formation of qualitatively new embryos in the body of hard wheat.
Invest. Akad. Nauk S.S.S.R., Ser. biol. '53, 66-70. (MLBA 6:3)
(CA 47 no.15:7603 '53)

1. Lab. Evolyutsion., Ekol. in. B.A. Keller, Inst. Lesa, Akad. Nauk
S.S.S.R.

~~TARAKANOV, S.N.~~ [Tarakanov, K.N.]

Appearance of some new qualitative primordials in the hard
wheat organism. Analele biol 7 no.3:39-44 JI-S '53.